

## Refine Search

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L5 and 562/\$	13

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 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L6





### Search History

DATE: Monday, February 19, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

**Set Name**   **Query**  
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**Hit Count**   **Set Name**  
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*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L6</u>	L5 and 562/\$	13	<u>L6</u>
<u>L5</u>	L4 and (acrylic acid or methacrylic acid )	39	<u>L5</u>
<u>L4</u>	L3 and oxygen and reactor and pressure	64	<u>L4</u>
<u>L3</u>	L2 and propene and isobutene	68	<u>L3</u>
<u>L2</u>	L1 and metal oxide and hetero\$9	380	<u>L2</u>
<u>L1</u>	partial oxid\$8 and (propane or isobutane)	3126	<u>L1</u>

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**Search Results** - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: US 20070032680 A1

L6: Entry 1 of 13

File: PGPB

Feb 8, 2007

PGPUB-DOCUMENT-NUMBER: 20070032680

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070032680 A1

TITLE: Heterogeneously catalyzed gas-phase partial oxidation of precursor compounds of (meth)acrylic acid

PUBLICATION-DATE: February 8, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Felder; Raimund	Neustadt		DE
Unverricht; Signe	Mannheim		DE
Arnold; Heiko	Mannheim		DE
Petzoldt; Jochen	Mannheim		DE

US-CL-CURRENT: 562/535; 502/208, 502/240, 502/321, 502/325, 502/353, 502/527.19, 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw D
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☐ 2. Document ID: US 20060167299 A1

L6: Entry 2 of 13

File: PGPB

Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060167299

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060167299 A1

TITLE: Hydrothermally synthesized Mo-V-M-Nb-X oxide catalysts for the selective oxidation of hydrocarbons

PUBLICATION-DATE: July 27, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gaffney; Anne Mae	West Chester	PA	US
Song; Ruozhi	Wilmington	DE	US

US-CL-CURRENT: 558/321; 502/102, 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20060106244 A1

L6: Entry 3 of 13

File: PGPB

May 18, 2006

PGPUB-DOCUMENT-NUMBER: 20060106244

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060106244 A1

TITLE: Hydrothermally synthesized Mo-V-M-X oxide catalysts for the selective oxidation of hydrocarbons

PUBLICATION-DATE: May 18, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gaffney; Anne Mae	West Chester	PA	US
Song; Ruozhi	Wilmington	DE	US

US-CL-CURRENT: 558/322; 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 20060020142 A1

L6: Entry 4 of 13

File: PGPB

Jan 26, 2006

PGPUB-DOCUMENT-NUMBER: 20060020142

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060020142 A1

TITLE: Catalytic (AMM)oxidation process for conversion of lower alkanes to carboxylic acids and nitriles

PUBLICATION-DATE: January 26, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Pessoa Cavalcanti; Fernando Antonio	Lafayette Hill	PA	US

US-CL-CURRENT: 558/300; 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 20060004229 A1

L6: Entry 5 of 13

File: PGPB

Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060004229  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20060004229 A1

TITLE: Preparation of acrylic acid by heterogeneously catalyzed partial gas phase oxidation of propylene

PUBLICATION-DATE: January 5, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dieterle; Martin	Mannheim		DE
Muller-Engel; Klaus Joachim	Stutensee		DE
Hechler; Claus	Ludwigshafen		DE
Hammon; Ulrich	Mannheim		DE
Diefenbacher; Armin	Germersheim		DE

US-CL-CURRENT: 562/527

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn De
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☐ 6. Document ID: US 20040054222 A1

L6: Entry 6 of 13

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040054222  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040054222 A1

TITLE: Heterogenically catalysed gas-phase partial oxidation method for precursor compounds of (meth)acrylic acid

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Felder, Raimund	Neustadt		DE
Unverricht, Signe	Mannheim		DE
Arnold, Heiko	Mannheim		DE
Petzoldt, Jochen	Mannheim		DE

US-CL-CURRENT: 562/547; 502/208, 502/210, 502/211, 502/212, 502/213, 502/311, 502/312

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn De
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☐ 7. Document ID: US 20030094381 A1

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File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030094381  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030094381 A1

TITLE: Electroactive catalysis

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bors, Daniel Arthur	Maple Glen	PA	US
Gaffney, Anne Mae	West Chester	PA	US
Maroldo, Stephen Gerard	Ambler	PA	US

US-CL-CURRENT: 205/433; 205/440, 558/320, 562/534, 562/535

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw De
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☐ 8. Document ID: US 20030040570 A1

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File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030040570  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030040570 A1

TITLE: Preparation of pure (meth)acrylic acid and (meth)acrylates

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nestler, Gerhard	Wien		AT
Schroeder, Juergen	Ludwigshafen		DE

US-CL-CURRENT: 524/558; 524/556, 526/317.1, 526/319, 562/400

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw De
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☐ 9. Document ID: US 20020123647 A1

L6: Entry 9 of 13

File: PGPB

Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020123647  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020123647 A1

TITLE: Recycle process

PUBLICATION-DATE: September 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bogan, Leonard Edward JR.	Hatfield	PA	US
Bors, Daniel A.	Maple Glen	PA	US
Cavalcanti, Fernando Antonio Pessoa	Lafayette Hill	PA	US
Han, Scott	Lawrenceville	NJ	US
Jacobs, Bradley Anson	Chalfont	PA	US
Kaiser, Frederick William	Fort Washington	PA	US
Klugherz, Peter David	Huntingdon Valley	PA	US
Lin, Manhwa	Maple Glen	PA	US
Zolotorofe, Donald Lee	Ivyland	PA	US

US-CL-CURRENT: 562/545

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 10. Document ID: US 7129195 B2

L6: Entry 10 of 13

File: USPT

Oct 31, 2006

US-PAT-NO: 7129195

DOCUMENT-IDENTIFIER: US 7129195 B2

TITLE: Heterogenically catalysed gas-phase partial oxidation method for precursor compounds of (meth)acrylic acid

## PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040054222 A1

March 18, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 11. Document ID: US 7074956 B2

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File: USPT

Jul 11, 2006

US-PAT-NO: 7074956

DOCUMENT-IDENTIFIER: US 7074956 B2

TITLE: Hydrothermally synthesized Mo-V-M-X oxide catalysts for the selective oxidation of hydrocarbons

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040181084 A1

September 16, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	References	Claims	KWIC	Draw D
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☐ 12. Document ID: US 7053022 B2

L6: Entry 12 of 13

File: USPT

May 30, 2006

US-PAT-NO: 7053022

DOCUMENT-IDENTIFIER: US 7053022 B2

TITLE: Hydrothermally synthesized MO-V-M-NB-X oxide catalysts for the selective oxidation of hydrocarbons

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040063990 A1

April 1, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	References	Claims	KWIC	Draw D
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☐ 13. Document ID: US 7049466 B2

L6: Entry 13 of 13

File: USPT

May 23, 2006

US-PAT-NO: 7049466

DOCUMENT-IDENTIFIER: US 7049466 B2

TITLE: Recycle process

PRIOR-PUBLICATION:

DOC-ID

US 20020123647 A1

DATE

September 5, 2002

Full	Title	Citation	Front	Review	Classification	Date	Reference	September 5, 2002	Abstract	Claims	KWOC	Draw. De
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